Can ami, Henry M.

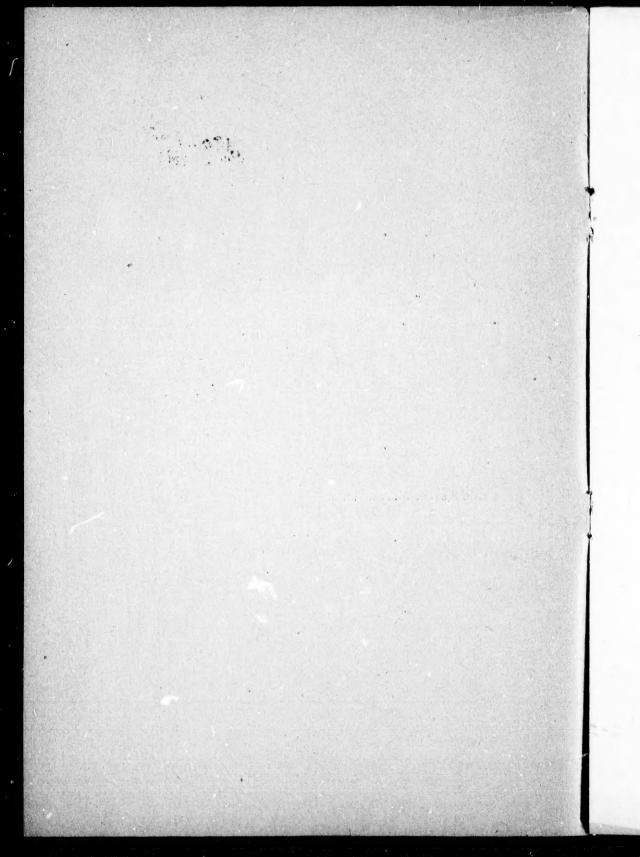
A Bu

## PROGRESS OF GEOLOGICAL WORK IN CANADA DURING 1898.

BY

H. M. AMI, M. A., D. Sc., F. G. S. Of the Geological Survey of Canada.

Ex. THE OTTAWA NATURALIST, Vol. XIII, No. 2, pp. 52-55, May, 1899.



## PROGRESS OF GEOLOGICAL WORK IN CANADA DURING 1898.\*

By H. M. AMI, M.A., F.G.S.

Adams, F. D.—Nodular granite from Pine Lake, Ontario. Bull. Geol. Soc. America, vol. 9, pp. 163-172, pl. 11., Feb 10th, 1898, Rochester, U.S.A.

Adams, F. D.—The deformation of rocks under pressure. (Abstract.) Engineering and Mining Journal, vol. 65, p. 522, April 30, 1898.

Adams, F. D. and Nicolson, J. T.—Preliminary notice of some experiments on the flow of rocks. B. A. A. S., Toronto, 1897.

Adams, F. D.—Recent experiments on the flow of rocks carried out at McGill University. Scientific American, April 23, 1898.

Ami, H. M.—Notes on the Goology of Chelsea, Que., and some of its bearings on the Geology of Ottawa. Ottawa Naturalist, vol 11, pp. 125-127, Sept., 1897. Reprinted with emendations, issued 1898, Ottawa, Canada.

Ami, H. M.—Note on the Geology and Physiography of Kings County, Nova Scotia. Ottawa Naturalist, vol. 12, Nos. 7 and 8, pp. 149-150, November, 1898, Ottawa, Canada.

Ami, H. M.—Fresh water found by boring in granite and other hard crystalline rocks. Ottawa Naturalist, vol. 12, No. 4, pp. 89 90, 1898, Ottawa, Canada.

Ami, H. M.—The Geological Society of America—Tenth Winter Meeting, Montreal, Canada, 1897. Ottawa Naturalist, vol. 11, No. 12, pp. 221-224, Ottawa, Canada, 1898.

Ami, H. M.—Obituary, James Hall, Palacontologist. Ottawa Naturalist, vol. 12, No. 6, pp. 114-115, 1898, Ottawa, Canada.

Ami, H. M.—Synopsis of the Geology of Montreal. 5 pp. author's edition, Dec., 1897. Ex. Brit. Medical Assoc. Guide and Souvenir, pp. 45-49, Montreal, 1897. (Issued Montreal, Canada, Dec., 1897.)

Bailey, L. W.—Report on the Geology of South-west Nova Scotia, embracing the counties of Queens' Shelburne, Yarmouth, Digby and a part of Annapolis. Geol. Survey, Canada, Annual Report, new series, vol. 9, 1 map, 5 pls., 1898, Queen's Printer, Ottawa, Canada.

Bailey, L. W.—Dr. James Robb, first Professor of Chemistry and Natural History in King's College, Fredericton—A sketch of his life and labours. Bull. Nat. Hist. Soc. N.B., Article I, No. 16, vol. 4, pt. i, pp. 1-15, giving list of publications and writings, St. John, N.B.

Bailey, L. W.—The Bay of Fundy trough in American Geological history. Trans. Roy. Soc. Canada, 2nd series, vol. 3, sec. 4, pp. 107-116, 1897, (1898). (Issued Ottawa, Canada, 1898.)

Bell, Robert.—Report on the Geology of the French River sheet, Ontario. Geol. Survey, Canada, Ann. Rep., new series, vol. 9, May 3, 1897 (issued 1898), 1 map, Queen's Printer, Ottawa, Canada.

Bell, Robert.—On the occurrence of mammoth and mastodon remains around Hudson Bay. Geol. Soc. Amer. Bull., vol. 9, pp. 369-390, June 22nd, 1898, Rochester.

<sup>\*</sup>One or two papers not previously noticed belong to the year 1897.

Billings, W. R.—Death of a distinguished American amateur Geologist and Palaeontologist—S. A. Miller. O.tawa Naturalist, vol. 11, No. 11, p. 208, 1898, Ottawa, Canada.

Chalmers, Robert - The pre-glacial decay of rocks in Eastern Canada. Amer.

Journ. Sc., series 4, vol. 5, pp 273-282, April, 1898.

Coleman, A. P.—Clastic rocks of Western Ontario. Bull. Geol. Soc. Amer., vol. 9, pp. 223-238, Feb. 24th, 1898, Rochester, U.S.A.

Coleman, A. P.—Clastic Huronian rocks of Western Ontario. Rep. Bureau of Mines of Ontario, vol. 7, pt. ii. pp. 151-165, 1898, Toronto, Ontario.

Coleman, A. P.—Conadian Pleistocene Flora and Fauna. "Report of the Com., consisting of Sir J. W. Dawson, Prof. D. P. Penhallow, Dr. H. M. Ami, Mr. G. W. Lamplugh and Prof. A. P. Coleman (Secretary), appointed to further investigate the flora and fauna of the Pleistocene beds in Canada." Bit. Assoc. Sec. C., Bristol, 1898, 8 pp., Appendix, Pleistocene of Don Valley, by Prof. D. P. Penhallow.

Coleman, A. P.—Note on the Petrology of Ontario. Report, Bureau of Mines of Ontario, vol. 7, pp. 145-50, 1898, Toronto, Canada.

Coleman, A. P.—Fourth report on the West Ontario gold region. Report Bureau of Mines of Ontario, vol. 7, pt. ii, pp. 109-145, 1898, Toronto, Canada.

Dawson, G. M.—Annual Report, Geol. Survey of Canada. New series, vol. 9, 1896, (1898), 816 pp., maps, containing the Director's Summary Report for 1896, and reports by Tyrreil, Bell, Low, Bailey, Hoffmann and Ingall, also 20 plates. Ottawa, Queen's Printer, 1898.

Dawson, G. M.—Summary Report on the operations of the Geological Survey of Canada for the year 1897. Geol. Surv. Can., 156 pp., Ottawa, Canada.

Dawson, Sir J. W. - On the genus Lepidophloios as illustrated by specimens from the coal formation of Nova Scotia and New Brunswick. Trans. Roy. Soc. Can., ser. 2nd, vol. 3, sec. 4, pp. 57-78, pls. 1-14, 1897, issued 1898, Ottawa, Canada.

Dawson, Sir J. W.—Addendum to note on Nova Scotia Carboniferous Entomostraca, in number for January, 1897. Can Rec. of Science, vol. 7, p. 396, July, 1897, is-ued July, 1898, Montreal, Canada.

Ells, R. W.—Problem in Quebec Goology. Can. Rec. Science, October, 1897, issued 1898, pp. 480-502.

Ells, R. W.—Notes on the Archean of Eastern Canada. Trans. Roy. Can., 2nd ser., vol. 3, sec. 41, pp. 117-124, 1897, (issued 1898), Ottawa.

Ells, R. W.—Sands and clays of the Ottawa Basin. Bull. Geol. Soc. Amer., vol. 9, pp. 211-222, pl. 16, Feb. 22nd, 1898, Rochester, U.S.A.

Ells, R. W.—Re-ent conclusions in Quebec Geology. Ottawa Naturalist, vol. 11, No. 9, pp. 173-176, Ottawa, December, 1897, Ottawa, Canada.

Ells, R. W.—Formations, faults and folds of the Ottawi District. Ottawa Naturalist, vol. 11, No. 10, pp. 177-18c, Ottawa, Canada, 1898.

Gilpin, E.—Ores of Nova Scotia, Gold, Lead and Copper. Commissioner of Public Works and Mines, Queen's Printer, Halifax, N.S., Halifax, 1898, pp. 1-46, 1 map.

Gilpin, E.—Some analyses of Nova Scotia coals and other minerals. Trans. Nova Scotia Hist. Soc., vol. 9 (2nd ser., vol. 11), pt. 3, pp. 246-254, Nov. 30th, 1897, Halifax, N.S.

Goodwin, W. L.—Analyses of corundum and corundum-hearing rock. Report, Bureau of Mines of Ontario, vol. 7, pt. 3, pp. 238-239, 1898, Toronto, Canada.

Goodwin. W. L. and Miller, W. G.—Note on a mineral of the Columbite group. Journ. Federated Canadian Mining Institute, vol. 3, pp. 151-152, 1898.

Gwillim, J. C.—Some West Kootenay ore bodies. Journal Federated Canadian Mining Institute, vol. 3, pp. 19-26, 1898.

Hoffmann, G. C.—Report on the Section of Chemistry and Mineralogy. Geol. Surv. of Can., Ann. Rep., vol. 9, 3 th June, 1898, Queen's Printer, Ottawa, Canada.

Ingall, E. D.—Section of Mineral Statistics and Mines. Annual Report for 1896, Ann. Rep. Geol. Surv. of Canada, vol. 9, new series, 169 pp., Rep. S., issued 1898.

Ingall, E. D. -Summary of Mineral Production of Canada for 1897. Geol. Surv. Can., 7 pp., Ottawa, 1898.

Jennison, W. F.—Manganese deposits of Nova Scotia. Journal Feder. Canad. Mining Inst., vol. 3, pp. 167-172, 1898.

Lambe, L. M.—On the remains of mammoth in the Museum of the Geological Survey Department. Ottawa Naturalist, vol. 12, Nos. 7 and 8, pp. 136-137, 1898, Ottawa, Canada.

Low, A. P.—Report of a traverse of the northern part of the Labrador Peninsula from Richmond Gulf to Ungava Bay. Geol. Survey of Canada, Ann. Rep., vol. 9, 43 pp., 4 pls., Jan. 12th, 1898, Queen's Printer, Ottawa, Canada.

Matthew, G. F.—Recent discoveries in the St. John Group, No. 2. Article 4, Bull. Nat. Hist. Soc. of New Brunswick, No. 16, vol. 4, pt. 1, pp. 32-43, 1898, St. John, N.B.

Matthew, G. F. — The oldest Palacozoic fauna. Abstract in Proc. Amer. A. A. Sc., vol. 47, pp. 301-302, December, 1898; also Amer. Geol., vol. 22, No. 4, p. 262, October, 1898.

Matthew, G. F.—Studies on Cambrian faunas. Trans. Roy. Soc. Can., 2nd ser., vol. 3, section iv, pp. 165-211, pls. 1-4, 1897, issued 1898, Ottawa, Can.

Miller, W. G.—Economic Geo'ozy of Eastern Ontario—Corundum and other minerals. Report, Bureau of Mines of Ontario, vol. 7, pt. iii, pp. 207-238, 6 pls., 1 map, 1898, Toronto, Ontario, Canada.

Miller, W. G. and Goodwir, W. L.-Note on a mineral of the Columbite group. Journal, Federated Canad. Mining Inst., vol. 3, pp. 151-152, 1898.

Obalski, J.—Mining in Quebec in 1897. Journal, Federated Canad. Mining Inst., vol. 3, pp. 145-150, 1898.

Ogilvie, W.—The Yukon and its gold resources. Ex. Trans, Ottawa Lit. and Scientific Society, No. 1, pp. 75-78, with table, Ottawa, 1898, Ottawa, Canada.

Parks, W. A.—Geology of base and meridian lines in Rainy River district. Report, Bureau of Mines of Ontario, vol. 7, pt. 2, pp. 161-183, Toronto, 1898.

Penhallow, D. P.—Pleistocene flora of the Don Valley. Appendix, Brit. Assoc. Adv. Sc., Sect. C., Bristol, 1893, pp. 4 to 8 of Report of Committee to investigate the Pleistocene flora and fauna of Canada, Bristol, England.

Poole, H. S.—The Mineraloxy of the Carboniferous of Nova Scotia and New Brunswick.—Journal, Federated Canadian Mining Inst., vol. 3, pp. 77-81, 1898.

Rutherford, John.—Notes on the A'bertite of New Brunswick. Journal, Federated Canadian Mining Inst., vol. 3, pp. 40-46, 1898.

Spencer, J. W.—Lake formations and great changes of level in Jamaica. Canadian Inst. Trans., vol. 5, pp. 325-357, pls. 1-6, May, 1898, Toronto, Canada.

Spencer, J. W.—Another episode in the history of Niagara River. (Abstract. Proc. A. A. A. Sc., vol. 47, p. 299, December, 1898.

Spencer, J. W.—An account of the researches relating to the Great Lakes. Amer. Geol., vol. 21, pp. 110-123, February, 1898, Minneapolis, Minn., U.S.A.

- Spencer, J. W.—On Mr. Frank Leverett's correlation of moraines with beaches on the border of Lake Erie. Amer. Geol., vol. 21, pp. 393-396, June, 1898, Minneapolis, Minn., U.S.A.
- Spencer, J. W.—Niagara as a time piece. Canadian Institute, Proc., new series, vol. 1, pp. 101-103, May. 1898, Toronto, Ontario.
- Spencer, J. W.—Resemblances between the declivities of high plateau and those of submarine Antillean valleys. Canadian Journal, vol. 5, pp. 359-368, 1 map, April, 1898, Toronto, Ontario.
- Tyrrell, J. B.— The glaciation of north Central Canada. Journal of Geology, vol. 6, pp. 147-169, Feb.-March, 1898, Chicago, Illinois, U.S.A.
- Tyrrell, J. B.—The Cretaceous of the Athabasca River. Ottawa Naturalist, vol. 12, No. 2, pp. 37-41, May, 1898, Ottawa, Canada.
- Tyrrell, J. B.—Report on the Doobaunt, Kazan and Ferguson rivers, and the north-west coast of Hudson Bay to Lake Winnipeg, Geol. Survey of Canada, Ann. Rep., vol. 9, new series 218 pp., Rep. F., issued 1898 as No. 658, Ottawa, Canada.
- Walker, T. L. The crystal symmetry of torbernite. Amer. Journal Science, ser. 4, vol. 6, pp. 41-44, July, 1898, New Haven, Connecticut, U.S.A.
- Walker, T. L.—Examination of some triclinic minerals by means of etching figures. Amer. Journ. Science, ser. 4, vol. 5, pp. 176-185, March, 1898.
- Walker, T. L.—Causes of variation in the composition of igneous rocks. Amer. Journ. Science, Nov., 1858, pp. 410-415, New Haven, Conn., U.S.A.
- Whiteaves, J. F.—Postscript to a description of a new genus and species of Cystideans from the Trenton timestone at Ott was. Can. Fec. Science, vol. 7, pp. 395-396, July, 1897, issued July, 1898, Montreal, Canada.
- Whiteaves, J. F.—Note on a fish tooth from the Upper Arisaig series of Nova Scotia. Can. Rec. Science, vol. 7, No. 8, pp. 461-462, 1 figure.
- Whiteaves, J. F.—On some remains of a sepia-like cuttle-fish from the Cretaceous rocks of the South Saskatchewan. Can. Rec. Science, vol. 7, pl. 2, pp. 459-461, Montreal, June, 1898.
- Whiteaves, J. F.—On some fossil Cephalopoda in the Museum of the Geological Survey of Canada, with the description of eight species that appear to be new. Ottawa Naturalist, vol. 12, pp. 116-127, September, 1898, Ottawa, Canada.
- Willimot, A. B.—Notes on the Michipicoten gold-fields. Journal Federated Canadian Mining Inst., vol. 3, pp. 100-102, 1898.
- Willimot, A. B.—Michipicoten mining division. Report of Bureau of Mines of Ontario, vol. 7, pt. 2, pp. 184-206, map, 1898, Toronto, Canada.
- Wilson, W. J.—Notes on the Pleistocene geology of a few places in the Ottawa Valley. Ottawa Naturalist, vol. 11, pp. 209-220, March, 1898, Ottawa, Canada.

## ADDENDA.

The following papers from the Report Brit. Assoc. Adv. Sc. 1897—London, 1898, are herewith noted and appended.

Ami, H. M.—On some new or hitherto little known Palæozoic formations in North Eastern America. Report Brit. Assoc. Adv. Sc. 1897, p. 657. London 1898.

Ami, H. M.—On the state of the principal museums in Canada and Newfoundland. Rep. Brit. Assoc. Soc, C. Toronto, 1867, 13 pages. London, 1898.

Dawson, Sir. J. William.—Note on certain Pre-Cambrian and Cambrian Fossils supposed to be related to Eozoon. Rep. Brit. Assoc. Adv. Sc., Toronto, 1897.—p. 656. London 1898.

Dawson, G. M.—Presidential Address, Section C. (Geology). The Nature and relations of the more ancient rocks of North America. Toronto, 1897. Report Brit. Assoc. Adv. Sc. London, 1898.

Laflamme, J. C. K.—" Influences d'un eboulement sur le regime d'une riviere. Report Brit. Assoc. Toronto meeting, 1897—p. 658, London, 1898.

Whiteaves, J. F.—Note on a Fish-tooth from the Upper Arisaig series of Nova Scotia. Rep. Brit. Assoc. Toronto, 1897—p. 657, London, 1898.

Whiteaves. J. F.—On some remains of a Sepia-like Cuttle-fish from the Lower Cretaceous of the South Saskatchewan. Rep. Brit. Assoc. p. 694, London, 1898.